Building a Career Path Through Training Programmes Using ECSF

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Abstract
Although more and more services are moving into the digital space, there are not enough professionals to cover all the cybersecurity-related positions needed to ensure the security and resilience of organisations. The problem, known as the “cybersecurity skills gap and workforce shortage”, was highlighted even more during the COVID-19 pandemic and is affecting organisations worldwide. The European Union Agency for Cybersecurity (ENISA) recently released the European Cybersecurity Skills Framework (ECSF), a cybersecurity framework defining 12 cybersecurity role profiles, along with the main tasks, skills, and knowledge associated with each one. In this work, we will look into how individuals can leverage ECSF to skill up and plan their careers in cybersecurity. We will explain how professionals can associate their target cybersecurity-related job role with the ECSF roles profiles and how they can develop skills and knowledge for their next career steps. These steps can be used by new cybersecurity professionals joining the workforce, cybersecurity professionals already working in the field as well as professionals (usually from a related sector) wanting to shift careers to cybersecurity.

Index terms: cybersecurity skills, ECSF

References


